

May 6-9:32 AM

27.1 Review

Grade: 9th
Subject: Earth Science
Date: 5/6

May 6-9:33 AM

1 The early oceans became salty when...

- ☒ A dissolved solids were carried from land into the oceans
- ☐ B salt dropped from the atmosphere into the oceans
- ☐ C sea creatures left salty deposits in their remains
- ☐ D the heavy atmosphere did not allow salt particles to dissipate

May 6-9:35 AM

2 About 99% of all matter contained in the solar nebula now exists in ...

- ☐ A planets
- ☐ B space
- ☐ C asteroids
- ☒ D the sun

May 6-9:35 AM

3 Which of the following planets do scientists NOT consider a major planet?

- A Saturn
- B Mercury
- ☒ C Pluto
- D Neptune

May 6-9:36 AM

4 Small bodies that orbit planets are called...

- A comets
- ☒ B moons
- C planetesimals
- D protoplanets

May 6-9:37 AM

5 When early Earth's atmosphere formed, which of the following gases were lost because Earth's gravity was too weak?

- A oxygen and helium
- B hydrogen and ozone
- C helium and nitrogen
- ☒ D helium and hydrogen

← Atomic = 1 + 2

May 6-9:38 AM

6 Protoplanet is a larger body formed when planetesimals joined together.

planetesimals → protoplanet → planet

May 6-9:38 AM

- 7 Outgassing is the process responsible for forming Earth's early atmosphere

May 6-9:38 AM

- 8 A rotating cloud of gas and dust that gave rise to Earth's solar system is called a solar nebula.

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- 9 Differentiation is the process that caused early Earth to form three distinct layers.

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27.2 Review

Grade: 9th
Subject: Earth Science
Date: 5/7

May 6-9:40 AM

1 Who believed that planets moved in epicycles as they revolved in larger circles around the Earth?>

- A Aristotle
- ☒ B Ptolemy
- C Newton
- D Copernicus

May 7-10:01 AM

2 The relationship between the average distance of a planet from the sun and the planet's orbital period is described by the...

- A law of equal areas
- B law of motion
- C law of ellipses
- ☒ D law of periods

May 7-10:02 AM

3 Who proposed the heliocentric model of the universe?

- A Galileo
- B Kepler
- ☒ C Copernicus
- D Newton



May 7-10:03 AM

4 The degree of elongation of an elliptical orbit is called

eccentricity



May 7-10:03 AM

5 The force that exists between any two bodies in the universe is known as _____.

May 7-10:04 AM

6 Which of the following laws describes the speed at which objects travel at different points in their orbits?

- ☒ A law of equal areas
- ☐ B law of ellipses
- ☐ C law of eccentricity
- ☐ D law of periods

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7 The law that describes how a planet orbits the sun is called the...

- A law of orbital periods
- B law of equal areas
- ☒ C law of ellipses
- D law of periods

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8 The time required for a body to complete a single orbit is called the orbital period.

May 7-11:01 AM

9 A pattern that makes it appear as though planets are moving backward in the sky is called ~~reversible~~ motion.

retrograde

True

False

May 7-11:03 AM

27.3 Review

Grade: 9th

Subject: Earth Science

Date: 5/9

May 9-10:52 AM

1 Which of the following is not true of all the inner planets?

- A they are made of solid rock
- ☒ B they are called gas giants
- C they have no rings
- D they have impact craters

May 9-10:55 AM

2 Mars's volcanoes are larger than those of Earth because Mars...

- A is so close to the sun
- B is a much older planet
- C has a thicker lava flow
- ☒ D has no moving tectonic plates

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3 Impact craters are caused by ...

- A solar bursts
- B atmospheric changes
- C exploding volcanoes
- ☒ D collisions with objects in space

May 9-10:57 AM

4 Which of the following planets experiences a runaway greenhouse effect?

- ☒ A Venus
- B Mercury
- C Mars
- D Earth

May 9-10:58 AM

5 The factors that contribute to Mercury's daily temperature fluctuation of about 600 degrees Celsius are the planet's slow rotation and...

- ☒ A its close proximity to the sun
- ☐ B its dense atmosphere
- ☐ C its heavy, rocky, waterless terrain
- ☐ D the absence of an ozone layer to regulate temperature

May 9-11:00 AM

6 Magellan is the satellite that orbited Venus.

May 9-11:01 AM

- 7 Venus is the planet similar in size, mass, and density as Earth.

May 9-11:01 AM

- 8 Mars is the planet with massive volcanoes and canyons, seasons are similar to Earth's.

May 9-11:02 AM

27.4 Review

Grade: 9th
Subject: Earth Science
Date: 5/13

May 9-10:54 AM

1 Which of the following is NOT true of Pluto?

- A it has methane icecaps
- B it orbits the sun
- C it is not a gas giant
- ☒ D it is a large planet

May 10-3:08 PM

2 A region of the solar system just beyond Neptune's orbit, which contains small bodies made mostly of ice, is called...

- ☒ A the Kuiper Belt
- ☐ B the outer atmosphere
- ☐ C an ansteroid belt
- ☐ D Quaoar

May 10-3:09 PM

3 Which of the following is similar to Uranus in terms of its size and mass?

- ☐ A Pluto
- ☒ B Neptune
- ☐ C Saturn
- ☐ D Jupiter

May 10-3:10 PM

4 Neptune's Great Dark Spot can be described as a(n)...

- A giant canyon
- ☒ B giant storm
- C vast ocean
- D area that never faces the sun

May 10-3:10 PM

5 the least dense planet in the solar system is...

- A Jupiter
- B Neptune
- ☒ C Saturn
- D Uranus

May 10-3:11 PM

- 6 A ring of debris that separates the inner planets from the outer planets is known as the _____.

asteroid belt

May 10-3:12 PM

- 7 The planet whose atmosphere may contain a large amount of methane is...

Uranus

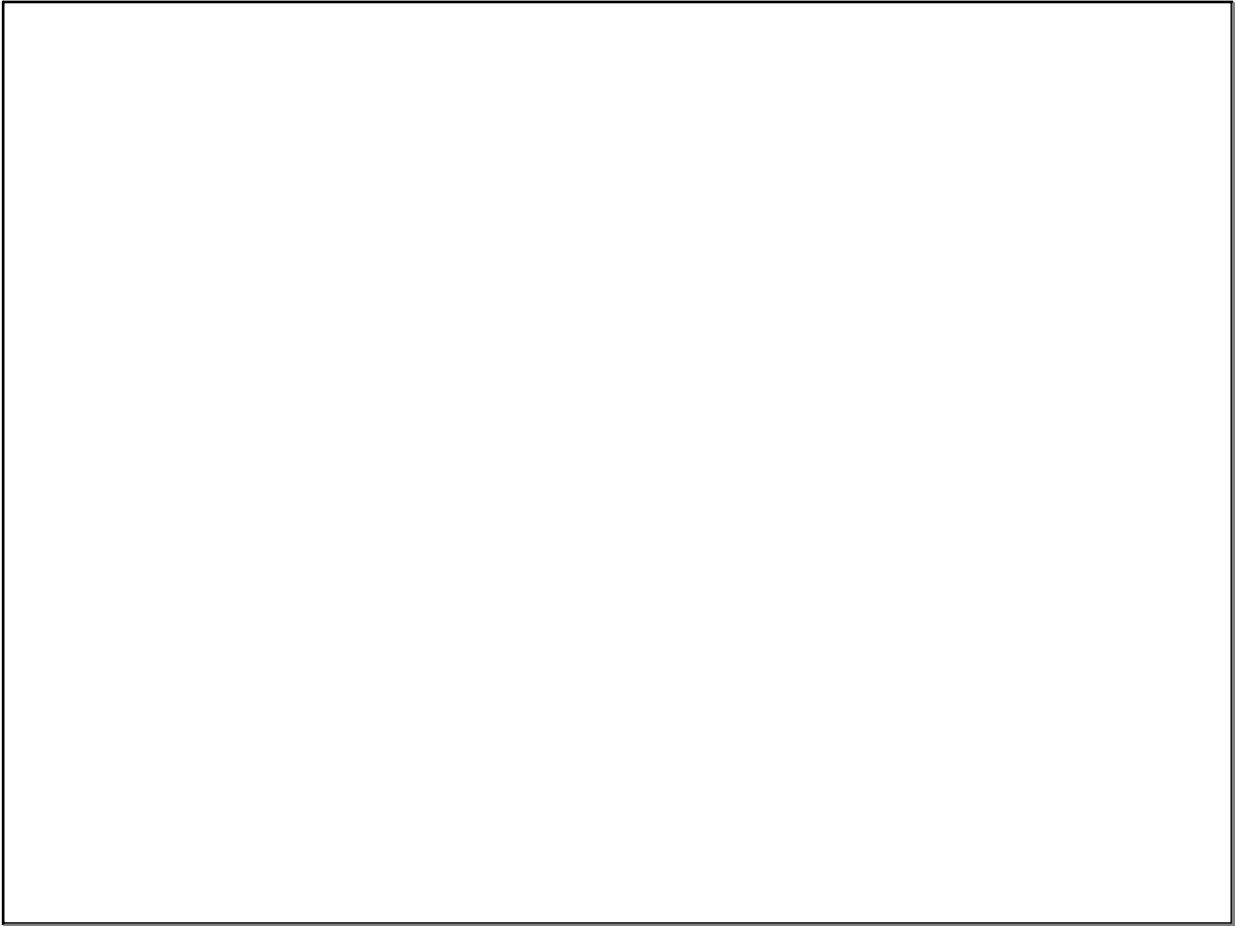
May 10-3:12 PM

8 A planet with a complex ring system made of dust and icy debris is Saturn.

May 10-3:13 PM

9 A large planet with a deep and massive atmosphere; these planets are less dense than a terrestrial planet is known as a gas giant.

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May 14-11:07 AM